

12-23-02

Gp #1773



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PTO/SB/21 (12-97)
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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	09/726,769	
	Filing Date	11/29/00	
	First Named Inventor	Furman, et al.	
	Group Art Unit	1773	
	Examiner Name	Hoa T. Lee	
Total Number of Pages in This Submission	48	Attorney Docket Number	SWRI-2749-A

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Response to First Office Action, Marked Up Changes Filed With Response to First Office Action and transmittal.

Applicant:	<u>Furman, et al.</u>	Group Art Unit:	<u>1773</u>
Serial No.:	<u>09/726,769</u>	Examiner:	<u>Hoa T. Le</u>
Filing Date:	<u>November 29, 2000</u>	Atty. Docket No.:	<u>SWRI-2749-A</u>
Title:	<u>Methods of Functionalizing and Functionalized Metal Oxide Particles and Mechanically Strong and Transparent or Translucent Composites Made Using Such Particles</u>		



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Furman et al.

Serial No.: 09/726,769

Filed: November 29, 2000

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Group Art Unit: 1773

Examiner: Hoa T. Lee

Atty. Docket: SwRI-2749A

For: **Methods of Functionalizing and Functionalized Metal Oxide Particles and Mechanically Strong and Transparent or Translucent Composites Made Using Zirconium Oxide Nanoparticles**

RESPONSE TO FIRST OFFICE ACTION

Assistant Commissioner for Patents
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This paper is filed in response to the first office action mailed September 9, 2002.

AMENDMENTS

In the Specification

1. Page 13, in the paragraph beginning at line 3, please make the following correction:

The silyl phosphonate esters can serve two purposes. One purpose is as a surface phosphonating agent, and the other as a surface silanating agent which will generate the hydrophobic surface necessary for incorporation into hydrophobic monomers. If the silane is alkene functionalized, or otherwise functionalized with a polymerizable functionality, then the silane also acts as a coupling agent via the phosphonating agent.

2. Page 11, in the paragraph encompassing line 8, please make the following correction: